PTO/SB/08a (05-03)

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Sub	stitute for form 1449A/PTO			Application Number	10/718,634		
INFORMATION DISCLOSURE		CUDE	Filing Date	11/24/2003			
	FORWATION D			First Named Inventor	Hokan S. Colting		
3	IAIEWENIBI	APPLI	JANI	Art Unit	3643		
	(Use as many sheets	as necessa	rv)	Examiner Name	R.P. Swiatek		
Sheet	1	of	4	Attorney Docket Number	51751/12		

Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
	 	Number-Kind Code 1 (II leave)			C/S Figures Appear
<u>RPS</u>	A1	us 607,240	07-12-1898	C.E. Hite	<u> -</u>
RPS	A2	us 1,599,496	09-14-1926	W. Sheppard	
RPS_	A3	us 2,191,759	02-27-1940	K.P. Hilberth	
RPS	A4	us 2,654,552	10-06-1953	J. Jonas	
RPS	A5	us 2,868,478	01-13-1959	T. McCloughy	
RRS	A6	us 2,929,581	03-22-1960	W.C. Johnson Jr.	
RPS	A7	us 3,079,106	02-26-1963	G.R. Whitnah	
RPS	A8	us 3,265,142	08-09-1966	D.H.Winter	
RPS	A9	us 3,488,019	06-01-1970	M.H. Sonstegaard	
RPS	A10	us 3,834,655	10-09-1974	E. Crosby	
RPS	A11	us 3,957,228	05-18-1976	G.H. Kennedy Jr.	
RPS	A12	us 4,085,912	04-25-1978	S.I. Slater	1
RPS	A13	us 4,366,936	01-04-1983	F.D. Ferguson	
RPS	A14	us 4,773,617	09-27-1988	B.L. McCampbell	
RPS	A15	us 4,792,107	12-20-1988	J.A. Fernz et al.	1 1
RPS	A16	us 4,931,028	06-05-1990	H.D. Jaeger	 -
RPS	A17	us 5,076,513	12-31-1991	R. Regipa et al.	
RPS	A18	us 5,115,997	05-26-1992	J.M. Peterson	1

		FORE	IGN PATENT DO	OCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	7*
		Country Code ³ Number ⁴ Kind Code ⁵ (If known)			or Relevant Figures Appear	
RPS	B1	FR 372,168	12-06-1906	J. Deixler		Π
RPS	B2	FR 445,171	06-19-1912	A. De Rudder		T
RP5	83	GB 250,602	07-08-1927	J.E. Broyles et al.		\vdash
RPS	B4	FR 2,132,610	11-24-1972	L. Felciai		✝
RP5	85	EP 0 078 713	05-11-1983	F. Ferguson		一

		
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Signature	Kobut P. Swiatek	Considered 11-30-04-

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Sub	stitute for form 1449A/PTO			Application Number	10/718,634	
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		-		First Named Inventor	Hokan S. Colting	
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	(Use as many sheets as	necessa	ırv)	Examiner Name	R.P. Swiatek	
Sheet	2	of	4	Attorney Docket Number	51751/12	

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code 3 (If Incom)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant C/S Figures Appear
RPS	A19	us 5,294,076	03-15-1994	H. Cotting	
RPS	A20	us 5,348,254	09-20-1994	K. Nakada	
RPS	A21	us 5,358,200	10-25-1994	M. Onda	
RPS	A22	us 5,518,205	05-21-1996	D.S. Wright et al.	
RPS	A23	us 6,119,983	09-19-2000	A.I. Provitola	
RPS	A24	us 6,142,414	11-07-2000	W. Doolittle	
RPS	A25	us 6,305,641	10-23-2001	M. Onda	
RRS	A26	us 6,371,409B1	04-16-2002	R.H. Steele	
RPS	A27	us 6,427,943B2	08-06-2002	Yokomatu et al.	
RPS	A28	us-2001/ 902686	06-07-2001	Yokomaku et al.	
		0002686			
	 				
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		FORE	IGN PATENT DO	CUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	т6
Initials*	No.'	Country Code ² Number ⁴ Kind Code ⁶ (If known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	'
RPS	B6	GB 2,196,919	05-11-1988	Airport Ind.		
RPS	B7	DE 40 09 772	10-02-1991	Schmidt, W.		
RPS	B8	FR 2,673,418	09-04-1992	A. Erval et al.		1
RPS	B9	DE 42 04 962	08-26-1993	Schmidt, H.		\vdash
RPS	B10	WO9504407	02-09-1995	Seligsohn, S. et al.		\top

	Examiner Signature	Robert P. Swister	Date Considered	11-30-04
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Under the Paperwork Reduction Act of 1995. no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Application Number 10/718,634 Substitute for form 1449A/PTO Filing Date 11/24/2003 INFORMATION DISCLOSURE First Named Inventor Hokan S. Colting STATEMENT BY APPLICANT Art Unit 3643 Examiner Name R.P. Swiatek (Use as many sheets as necessary) Attorney Docket Number 51751/12 of Sheet

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Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	Ţ
Initials*	No.'	Country Code ³ Number ⁶ Kind Code ⁶ (If known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	'
RPS	B11	EP 0 887 259	12-30-1998	Electric Boat Corp.		T
RPS	B12	DE 19 744 580	04-15-1999	Bock, J.		\top
	B13	WO0058152	10-05-2000	Ishkov, J. G.		\top
RPS RPS	B14	GB 2,366,273	03-06-2002	Gortowski, E. P.		T

	Examiner Signature	Robert P. Swiatel	Oate Considered	11-30-04
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Subs	stitute for form 1449A/PTO			Application Number	10/718,634	
INI	INFORMATION DISCLOSURE			Filing Date	11/24/2003	
STATEMENT BY APPLICANT				First Named Inventor	Hokan S. Colting	
31	A I EIVIEN I DI	APPLI	CANI	Art Unit	3643	
	(Use as many sheet	s as necessa	rcv)	Examiner Name	R.P. Swiatek	
Sheet	4	of	4	Attorney Docket Number	51751/12	

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL ETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T²			
RPS	C1	J. D. DELAURIER et al., Preliminary report on the engineering development of the Magnus Aerospace Corp. LTA 20-1 heavy-lift aircraft, The Aeronautical Journal of the Royal Aeronautical Society, Apr. 1983, 119-131, Royal Aeronautical Society, London, England.				
RPS	C2	J. D. LOWE, AIAA-85-0878 — An Investigation into the Hovering Behaviour of the LTA 20-1 Airship in Calm and Turbulent Air, AIAA 6 th Lighter-Than-Air Systems Conference, June 26-28, 1985, 108-114, American Institute of Aeronautics and Astronautics, Inc., New York.				
RPS	C3	J. D. LOWE et al., AIAA-85-0879 — An Experimental Determination of the Longitudinal Stability Properties' of the LTA 20-1, AIAA 6 th Lighter-Than-Air Systems Conference, June 26-28, 1985, 115-123, American Institute of Aeronautics and Astronautics, Inc., New York.				
RPS	C4	J. DELAURIER et al., AIAA-85-0876 Progress Report on the Engineering Development of the Magnus Aerospace LTA 20-1 Airship, AIAA 6 th Lighter-Than-Air Systems Conference, June 26-28, 1985, 90-99, American Institute of Aeronautics and Astronautics, Inc., New York.				
RPS	C5	J. DELAURIER et al., AIAA-83-2003 Development of the Magnus Aerospace Corporation's Rotating-Sphere Airship, AIAA Lighter-Than-Air Systems Conference, July 25-27, 1983, 161-170, American Institute of Aeronautics and Astronautics, Inc., New York.				

Examiner Signature	Robert P. Swistel	Date Considered	11-30-04
Signature		Considered	

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